



TRANSITIONAL PHARMACY BENEFIT (TPB) PHASE II

INSTALLATION GUIDE

PSO*7*146

September 2003

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Purpose

The purpose of this Installation Guide is to provide an explanation of the installation process for the Transitional Pharmacy Benefit (TPB) project. This project provides the software modifications necessary to accommodate the Veterans Health Administration (VHA) Directive 2003-047 that allows Department of Veterans Affairs (VA) to furnish medications from non-VA physicians. The intended audience for this document is the Information Resources Management Service (IRMS) staff and those persons responsible for support of the Outpatient Pharmacy and Business Office in Department of Veterans Affairs Medical Centers (VAMC).

This installation guide contains the process for installing patch PSO*7*146. Other patches, including PSO*7*146, make up TPB Phase II, however they are installed independently and are recorded in the Required Patches section of this document.

This phase will provide the Outpatient Pharmacy functionality to enter the prescriptions for the veteran and enter and/or modify the new Provider file information to identify the Non-VA Providers. Other functionality includes entering a progress note and encounter information for documenting the issuance of the TPB, adding a national DSS Identifier for the pharmacy clinic to track the TPB workload, and a new extract of the TPB ELIGIBILITY file (#52.91) to be sent weekly to the Austin Automation Center (AAC) for analysis. It provides modifications to the PBM Extract to include TPB prescription data in the Outpatient Pharmacy extract and the Computerized Patient Record System (CPRS) performance monitors will be modified to exclude TPB prescriptions.

Scope

The scope of the project will allow a VHA Clinical Pharmacist to process a prescription for TPB from a non-VHA physician before the veteran has his first appointment with a Primary Care provider, per the Code of Federal Regulations (CFR) 38 CFR Part 17 RIN 2900-AL68, "*Medication Prescribed by Non-VA Physicians*". The intent of this regulation is to:

1. Relieve the financial burdens arising from prescription expenses for veterans, who are unable to access their initial primary care in a timely fashion,
2. Defer the demand for primary care appointments over the short term, and
3. Allow some veterans without health care to have access to VA comprehensive health.

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Pre-Installation

Patient Status Check

Prior to initial implementation, the installer should check the RX PATIENT STATUS file (#53) for a status of “NON-VA”. If this status exists, the installer must rename this status.

During initial installation, a routine will check to see if a “NON-VA” Rx Patient Status is on file, if not, the patch will install. If there is a “NON-VA” status defined, then the install will be aborted and it will be required by the local site to rename the existing “NON-VA” status in order to finish the install. The “NON-VA” Rx Patient Status check routine will only be run upon initial install.

Domain Check

During initial installation, the software will check for the presence of the TPB-AUSTIN.MED.VA.GOV Domain. This Domain was released in Patch XM*DBA*155 and must be in place. If this Domain is not found, Patch PSO*7*146 will abort.

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Minimum Required Packages

The TPB project will operate on standard hardware platforms used by the VHA facilities and require the following Department of Veterans Affairs (VA) software packages to support the enhancements requested.

Package	Minimum Version Needed
VA FileMan	22.0
Kernel	8.0
MailMan	8.0
Outpatient Pharmacy	7.0
Scheduling	5.3
Health Level 7	1.6
Text Integration Utilities	1.0
Decision Support System	3.0
Integrated Billing	2.0
Pharmacy Benefits Management	3.0
Order Entry/Results Reporting	3.0
Automated Info Collection System	3.0
Health Summary	2.7

The above software is not included in this Patch and must be installed for this Patch to be completely functional.

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Required Patches

Prior to installation of the Outpatient Pharmacy PSO*7*146 software, the following patches listed below must be installed.

PSO*7*131
PSO*7*145
SD*5.3*300
XM*DBA*155
XU*8*311
SD*5.3*307
IB*2*224
GMTS*2.7*68
TIU*1*170
PSU*3*28
SD*5.3*314
IBD*3*54
OR*3*196



Note: SD*5.3*307 **must** be installed before IB*2*224.
GMTS*2.7*68 **must** be installed before TIU*1*170

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Installation

This installation is comprised of the patch PSO*7*146. Please read the following installation instructions carefully before beginning the installation. Information on Routines, Options, Protocols, Data Dictionaries, HL7 Logical Link, and HL7 Application Parameters that have been created or changed can be found in the Transitional Pharmacy Benefit (TPB) Phase II Release Notes in the Veterans Health Information Systems and Technology Architecture (VISTA) Documentation Library at <http://www.va.gov/vdl>.

The suggested time to install is during non-peak Pharmacy hours. There should be no Outpatient Pharmacy users on the system, and also when Outpatient Pharmacy orders are not being acted upon through CPRS.

Installation should take no more than 5 minutes.

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Installation Steps

Before installing this patch, use the *List Tasks* [XUTM INQ] option on the *Taskman Management* [XUTM MGR] menu to list currently running tasks. This patch should be installed when there are no Outpatient Pharmacy users on the system, and also when Outpatient Pharmacy orders are not being acted upon through CPRS.

1. Use the *INSTALL/CHECK MESSAGE* option on the *PackMan* menu.
2. Review your mapped set. If the routines are mapped, they should be removed from the mapped set at this time.
3. From the *Kernel Installation & Distribution System* menu, select the *Installation* menu.
4. From this menu, the installer may select to use the following options:
(when prompted for INSTALL NAME, enter **PSO*7.0*146**)
 - a. *Backup a Transport Global* - This option will create a backup message of any routines exported with the patch. It will NOT backup any other changes such as DDs or templates.
 - b. *Compare Transport Global to Current System* - This option will allow the user to view all changes that will be made when the patch is installed. It compares all components of the patch (routines, DDs, templates, etc.).
 - c. *Verify Checksums in Transport Global* - This option will ensure the integrity of the routines that are in the transport global.
5. Use the *Install Package(s)* option and select the package **PSO*7.0*146**.
6. When prompted, "Queue the Post-Install to run at what Date@Time:" respond with the appropriate date and time.
7. When prompted, "Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES/" respond **NO**.
8. When prompted, "Want KIDS to INHIBIT LOGONs during the install? YES/" respond **NO**.
9. When prompted, "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES/" respond **NO**.
10. When prompted, "Device:Home/" respond with the correct device and DO NOT queue this to P-Message.

11. If routines were unmapped as part of step 2, they should be returned to the mapped set once the installation has run to completion.

Example of Installation

```
Select Installation Option: INstall Package(s)

Select INSTALL NAME:      PSO*7.0*146      Loaded from Distribution  9/5/03@14:11:10
=> PSO*7*146

This Distribution was loaded on Sep 05, 2003@14:11:10 with header of
PSO*7*146
It consisted of the following Install(s):
PSO*7.0*146
Checking Install for Package PSO*7.0*146
Will first run the Environment Check Routine, PSOTPENV

Queue the Post-Install to run at what Date@Time: NOW  (SEP 05, 2003@14:26)

Install Questions for PSO*7.0*146

Incoming Files:

    52          PRESCRIPTION  (Partial Definition)
Note:  You already have the 'PRESCRIPTION' File.

    52.91       TPB ELIGIBILITY (Partial Definition)
Note:  You already have the 'TPB ELIGIBILITY' File.

    53          RX PATIENT STATUS (Partial Definition)
Note:  You already have the 'RX PATIENT STATUS' File.

    59.7        PHARMACY SYSTEM (Partial Definition)
Note:  You already have the 'PHARMACY SYSTEM' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// NO

Want KIDS to INHIBIT LOGONs during the install? YES// NO
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// <Enter>  COMPUTER ROOM

Install Started for PSO*7.0*146 :
      Sep 05, 2003@14:26:42

Build Distribution Date: Sep 05, 2003

Installing Routines:
      Sep 05, 2003@14:26:43

Running Pre-Install Routine: ^PSOTPPRE
```

NOTE: Do not queue this to
P-Message!

-----report continues-----

Example of Installation (continued)

```
Installing Data Dictionaries: .
      Sep 05, 2003@14:26:50

Installing PACKAGE COMPONENTS:

Installing HL LOGICAL LINK

Installing HL7 APPLICATION PARAMETER

Installing PROTOCOL
  Located in the PSO (OUTPATIENT PHARMACY) namespace.
  Located in the PSO (OUTPATIENT PHARMACY) namespace.

Installing OPTION
      Sep 05, 2003@14:26:51

Running Post-Install Routine: ^PSO146PS

Task Queued!

Updating Routine file...

The following Routines were created during this install:
      PSO*7.0*146

```

```

PSOXZA
PSOXZA1
PSOXZA2
PSOXZA3
PSOXZA4
PSOXZA5
PSOXZA6
PSOXZA7
PSOXZA8

```

```

Updating KIDS files...

PSO*7.0*146 Installed.
      Sep 05, 2003@14:26:53

Install Message sent # 150570

```

100% Complete	25	50	75
---------------	----	----	----

```

Install Completed

```

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Post-Installation

Post Init Routine

The post init routine of PSO*7*146 checks the existing entries in the TPB ELIGIBILITY file (#52.91) and utilizes the DATE OF DEATH field of PATIENT file (#2) to update the INACTIVATION OF BENEFIT DATE field and INACTIVATION REASON CODE field of the TPB ELIGIBILITY file (#52.91) for any recent activity.

The *TPB Rx (Prescription) Entry* [PSO TPB RX ENTRY] option is sent out disabled and will not be enabled until the post init routine is complete.

MailMan Message

The user who installs the PSO*7*146 patch should receive a MailMan message similar to the following when the installation is complete.

Example: MailMan Message

```
Subj: Patch PSO*7*146 Post Install Complete  [#330] 09/08/03@14:19
5 lines
From: PATCH PSO*7*146 POST INSTALL  In 'IN' basket.    Page 1
-----
The Post-Init for patch PSO*7.0*146 is complete.

The job started at SEP 8,2003@14:18:54
The job ended at SEP 8,2003@14:19:18

Enter message action (in IN basket): Ignore//
```

TPB HL7 Initial Data Extraction/Transmission

After completion of the post init routine of PSO*7*146, the initial data extraction, message creation and transmission of information from the TPB ELIGIBILITY file (#52.91) is automatically performed. The post init will also queue this extract to run daily and transmit data to the AAC every Sunday. This initial data extraction and transmission only occurs on the initial installation. If this patch is re-installed, a second message creation and transmission will NOT take place. This applies to both the Test and Production accounts.

1. Monitor the TPB message creation

To monitor the TPB message creation:

- Utilize the 'HL7 Main Menu Option' [HL MAIN].
- Select the 'Filer and Link Management Options' [HL MENU FILER LINK MGT]
- Select the 'Systems Link Monitor' option [HL MESSAGE MONITOR]

IRMS should see something like this (note: only the PSOTPBAAC logical link is shown for clarity):

SYSTEM LINK MONITOR for TEST (P System)						
<u>NODE</u>	<u>MESSAGES RECEIVED</u>	<u>MESSAGES PROCESSED</u>	<u>MESSAGES TO SEND</u>	<u>MESSAGES SENT</u>	<u>DEVICE TYPE</u>	<u>STATE</u>
PSOTPBAAC	0	0	1	0	NC	
Incoming filers running => 2 TaskMan running						
Outgoing filers running => 2 Link Manager running						
Select a Command:						
(N)EXT (B)ACKUP (A)LL LINKS (S)CREENED (V)IEWS (Q)UIT (?) HELP:						

This indicates that the data extraction and message creation routine has worked properly and the message is awaiting transmission. This message will NOT be transmitted until the PSOTPBAAC HL7 Logical Link is enabled. Please review the information below in the Test Accounts and Productions Account section **BEFORE** enabling the PSOTPBAAC link.

2. Test Accounts

Do not enable the PSOTPBAAC HL7 Logical Link in test accounts.

After the installation in test accounts, the PSOTPBAAC logical link must not be enabled. Once IRMS is satisfied with the message creation and placement on the logical link, it should be cleared of any entries. To do this:

- Utilize the 'HL7 Main Menu Option' [HL MAIN].
- Select the 'Filer and Link Management Options' [HL MENU FILER LINK MGT]
- Select the 'Link Errors...' option [HL MENU FILER LINK ERR]
- Select 'Clear a Queue of All Entries [HL CLEAR QUEUE]
- At the 'Select HL LOGICAL LINK NODE:' prompt, enter PSOTPBACC
- IRMS will see:

Select one of the following:

B	BOTH QUEUES
I	IN QUEUE
O	OUT QUEUE

Enter which queue to clear: B// <press 'enter' to select both queues>

Delete the TCP/IP ADDRESS value for the PSOTPBAAC HL7 Logical Link in the test account. This will prevent unintentional transmission of test account data to the AAC. This step only applies to the Test Account.

3. Production Accounts:

Verify that the TCP/IP ADDRESS and TCP/IP PORT match these values:
TCP/IP ADDRESS: 10.224.151.153
TCP/IP PORT: 6500
If they do not match, do not enable the link until the values have been corrected.

Enable PSOTPBACC Logical Link:

- Utilize the 'HL7 Main Menu Option' [HL MAIN].
- Select the 'Filer and Link Management Options' [HL MENU FILER LINK MGT]
- Select the 'Start/Stop Links' option [HL START]

At the 'Select HL LOGICAL LINK NODE: ' prompt, type PSOTPBAAC and press enter.

The option will notify the user that the LLP has been enabled.

4. Follow Up

Return to the 'Systems Link Monitor' option. IRMS should see the number of 'Messages to Send' the same as before. The 'Messages Sent' will increment by the number of messages transmitted. The acknowledgments from the AAC will increment the 'Messages Received' and when they're processed correctly, the user should see the 'Messages Processed' also increment. Once all messages are sent and received and acknowledgments are received and processed successfully, the numbers for all columns should be the same.

Assign Standalone Menu Option

The IRMS will need to assign the following standalone option to the appropriate staff members.

1. *TPB Rx (Prescription) Entry* [PSO TPB RX ENTRY] option
This option provides the pharmacy functionality to provide services for the patients eligible for the Transitional Pharmacy Benefit program.

New Option (that is not assigned)

The new *TPB HL7 Data Extract/Transmission* [PSO TPB HL7 EXTRACT] option is designed to run the TPB HL7 extract as a background process. This option should **NOT** be assigned to a user's menu.

The re-scheduling frequency is set to 24H (hours) and it is recommended to retain this timeframe. The background process will run at 6:00 pm daily. No action will be taken on a daily basis unless the day is Sunday. On Sunday, additions and edits to data in the TPB ELIGIBILITY file (#52.91) will be extracted and transmitted to the AAC.